

## UniRo. Industrial Water Treatment

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### **The standard UniRo range from Guldager consists of systems with a capacity of 100-10,000 litres/hour.**

Water often has a high calcium content, so practically all dishwashers are equipped with softening filters to remove calcium and magnesium.

Nevertheless, there are often stains and a dull coating on glasses and cutlery in particular, despite the right dosage of the best available detergents and surface-active agents. In other words, soft water is not enough. There are still some mineral salts left, which leave stains and a dull coating after the quick-drying process in a professional dishwasher. The membranes in a RO (Reverse Osmosis) unit retain 95-98% of all mineral salts in the water, so it is no longer necessary to polish glasses and cutlery afterwards. The Guldager UniRo series covers all needs, ranging from small glass-washers for bars to the largest tunnel dish-washers in large-scale hotel kitchens.

The RO filtration principle is a well-known form of water treatment. The water is passed at high pressure through an extremely dense membrane, which separates the dissolved salts from the clean water. The salts are drained off, and only the clean water passes through the membrane for collection in a reservoir tank. It can then be pumped to the place of consumption.

The smaller units from 100 L/h are rack-mounted and equipped with UniSoft duplex softening filters ensuring optimum water utilization and long membrane life. The UniRo units have a very wide range of different, industrial applications, such as feed water units for steam and high-pressure hot water boilers, make-up water for closed circuit cooling water systems, carwashing plants and process water, etc.

- We build customised Sea and Brackish Water Plants as well as a wide range of standard UniRo Plants.



UniRo 5000SW  
Candia Maris Hotel  
in Crete - Greece.

- Guldager's Sea and Brackish Water plants supply drinking water for various Mediterranean hotels as well as large-scale industry and hotels in the Middle East.



UniRo 5000SW  
Porto Paros Hotel  
in Greece.